

Figure 1A

>4304443inh	AGTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
>4304443H1	GTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
Consensus	AGTATACATT	CTTTATTAAT	CATTTTGCTT	CCAACCCCAT	TTAGCCTGCC
>4304443inh	ATTGAAATGC	AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
>4304443H1	ATTGAAATGC	AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAANAATGA
>3040232H1	GAAATGC	AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
Consensus	ATTGAAATGC	AAAAGTCTGT	TCCAAATAAA	GCCTTGGAAT	TGAAGAATGA
>4304443inh	ACAAACATTG	AGAGCAGATG	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>4304443H1	ACAAACATTG	AGAGCAGATG	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>3040232H1	ACAAACATTG	AGAGCAGATG	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
Consensus	ACAAACATTG	AGAGCAGATG	AGATACTCCC	ATCAGAATCC	AAACAAAAGG
>4304443inh	ACTATGAAGA	AAGTTCTTGG	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
>4304443H1	ACTATGAAGA	AAGTTCTTGG	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
>3040232H1	ACTATGAAGA	AAGTTCTTGG	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
Consensus	ACTATGAAGA	AAGTTCTTGG	GATTCTGAGA	GTCTCTGTGA	GACTGTTTCA
>4304443inh	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	AAATAGATAA
>4304443H1	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	AAATAGATAA
>3040232H1	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	AAATAGATAA
Consensus	CAGAAGGATG	TGTGTTTACC	CAAGGCTGCG	CATCAAAAAG	AAATAGATAA
>4304443inh	AATAAATGGA	AAATTAGAAG	GGTCTCCTGT	TAAAGATGGT	CTTCTGAAGG
>4304443H1	AATAA				
>3040232H1	AATAAATGGA	AAATTAGAAG	GGTCTCCTGT	TAAAGATGGT	CTTCTGAAGG
Consensus	AATAAATGGA	AAATTAGAAG	GGTCTCCTGT	TAAAGATGGT	CTTCTGAAGG
>4304443inh	CTAACTGCGG	AATGAAAGTT	TCTATTCCAA	CTAAAGCCTT	AGAATTGATG
>3040232H1	CTAACTGCGG	AATGAAAGTT	TCTATTCCAA	C	
Consensus	CTAACTGCGG	AATGAAAGTT	TCTATTCCAA	CTAAAGCCTT	AGAATTGATG
>4304443inh	GACATGCAAA	CTTTCAAAGC	AGAGCCTCCC	GAGAAGCCAT	CTGCCTTCGA
Consensus	GACATGCAAA	CTTTCAAAGC	AGAGCCTCCC	GAGAAGCCAT	CTGCCTTCGA
>4304443inh	GCCTGCCATT	GAAATGCAAA	AGTCTGTTCC	AAATAAAGCC	TTGGAATTGA
Consensus	GCCTGCCATT	GAAATGCAAA	AGTCTGTTCC	AAATAAAGCC	TTGGAATTGA
>4304443inh	AGAATGAACA	AACATTGAGA	GCAGATGAGA	TACTCCCATC	AGAATCCAAA
Consensus	AGAATGAACA	AACATTGAGA	GCAGATGAGA	TACTCCCATC	AGAATCCAAA
>4304443inh	CAAAAGGACT	ATGAAGAAAG	TTCTTGGGAT	TCTGAGAGTC	TCTGTGAGAC
Consensus	CAAAAGGACT	ATGAAGAAAG	TTCTTGGGAT	TCTGAGAGTC	TCTGTGAGAC
>4304443inh	TGTTTCACAG	AAGGATGTGT	GTTTACCCAA	GGCTACACAT	CAAAAAGAAA
Consensus	TGTTTCACAG	AAGGATGTGT	GTTTACCCAA	GGCTACACAT	CAAAAAGAAA
>4304443inh	TAGATAAAAT	AAATGGAAAA	TTAGAAGAGT	CTCCTGATAA	TGATGGTTTTT
Consensus	TAGATAAAAT	AAATGGAAAA	TTAGAAGAGT	CTCCTGATAA	TGATGGTTTTT

Figure 1B

>4304443inh Consensus	CTGAAGGCTC CCTGCAGAAT GAAAGTTTCT ATTCCAATA AAGCCTTAGA CTGAAGGCTC CCTGCAGAAT GAAAGTTTCT ATTCCAATA AAGCCTTAGA
>4304443inh Consensus	ATTGATGGAC ATGCAAACTT TCAAAGCAGA GCCTCCCGAG AAGCCATCTG ATTGATGGAC ATGCAAACTT TCAAAGCAGA GCCTCCCGAG AAGCCATCTG
>4304443inh Consensus	CCTTCGAGCC TGCCATTGAA ATGCAAAAGT CTGTTCCAAA TAAAGCCTTG CCTTCGAGCC TGCCATTGAA ATGCAAAAGT CTGTTCCAAA TAAAGCCTTG
>4304443inh <3790941H1 >3424294H1 Consensus	GAATTGAAGA ATGAACAAAC ATTGAGAGCA GATCAGATGT TCCCTTCAGA TCCCTTCAGA CAGA GAATTGAAGA ATGAACAAAC ATTGAGAGCA GATCAGATGT TCCCTTCAGA
>4304443inh <3790941H1 >3424294H1 Consensus	ATCAAAACAA AAGAACGTTG AAGAAAATTC TTGGGATTCT GAGAGTCTCC ATCAAAACNA AAGAAGGTTG :AGAAAATTC TTGGGATTCT GAGAGTCTCC ATCAAAACAA AAGAAGGTTG AAGAAAATTC TTGGGATTCT GAGAGTCTCC ATCAAAACAA AAGAAGGTTG AAGAAAATTC TTGGGATTCT GAGAGTCTCC
>4304443inh <3790941H1 >3424294H1 Consensus	GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA GTGAGACTGT TTCACAG:AG GATGTGTGTG TACCCAAGGC TACACATCAA GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA GTGAGACTGT TTCACAGAAG GATGTGTGTG TACCCAAGGC TACACATCAA
>4304443inh <3790941H1 >3424294H1 Consensus	AAAGAAATGG ATAAAATAAG TGGAAAATTA GAAGATTCAA CTAGCCTATC AAAGAAATGG ATAAAATAAG TGGAAAATTA GAAGATTCAA CTAGCCTATC AAAGAAATGG ATAAAATAAG TGGAAAATTA GAAGATTCAA CTAGCCTATC AAAGAAATGG ATAAAATAAG TGGAAAATTA GAAGATTCAA CTAGCCTATC
>4304443inh <3790941H1 >3424294H1 Consensus	AAAAATCTTG GATACAATTC ATTCTTGTGA AAGAGCAAGG GAACTTCAAA AAAAATCTTG GATACAGTTC ATTCTTGTGA AAGAGCAAGG GAACTTCAAA AAAAATCTTG GATACAGTTC ATTCTTGTGA AAGAGCAAGG GAACTTCAAA AAAAATCTTG GATACAGTTC ATTCTTGTGA AAGAGCAAGG GAACTTCAAA
>4304443inh <3790941H1 >3424294H1 Consensus	AAGATCACTG TGAACAATGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GANA AAGATCACTG TGAACAACGT ACAGGAAAAA TGGAACAAAT GAAAAAGAAG
>4304443inh <3790941H1 Consensus	TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAAGAAA TAAATCACA TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAA TTTTGTGTAC TGAAAAAGAA ACTGTCAGAA GCAAAAGAAA TAAATCACA
>4304443inh >2741038H1 Consensus	GTTAGAGAAC CAAAAAGTTA AATGGGAACA AGAGCTCTGC AGTGTGAGGT GNGCTCTGC NGTGTGAGGN GTTAGAGAAC CAAAAAGTTA AATGGGAACA AGAGCTCTGC AGTGTGAGGT

Figure 1C

>4304443inh	TTCTCACACT	CATGAAAATG	AAAATTATCT	CTTACATGAA	AATTGCATGT
>2741038H1	TTCTCACACT	CATGANAATN	AAAATNATCT	CTTACATGAN	AATTGCATGT
Consensus	TTCTCACACT	CATGAAAATG	AAAATTATCT	CTTACATGAA	AATTGCATGT
>4304443inh	TGAAAAAGGA	AATTGCCATG	CTAAAACTGG	AAATAGCCAC	ACTGAAACAC
>2741038H1	TGAAAAAGGA	AATTGCCATG	CTAAAACTGG	AAATAGCCAC	ACTGAAACAC
Consensus	TGAAAAAGGA	AATTGCCATG	CTAAAACTGG	AAATAGCCAC	ACTGAAACAC
>4304443inh	CAATACCAGG	AAAAGGAAAA	TAAATACTTT	GAGGACATTA	AGATTTTAAA
>2741038H1	CAATACCAGG	AAAAGGAAAA	TAAATACTTT	GAGGACATTA	AGATTTTAAA
Consensus	CAATACCAGG	AAAAGGAAAA	TAAATACTTT	GAGGACATTA	AGATTTTAAA
>4304443inh	AGAAAAGAAT	GCTGAACTTC	AGATGACCCT	AAAAGTGAAG	GAGGAATCAT
>2741038H1	AGANAAGAAT	GCTGAACTTC	AGATGACCCT	AAAAGTGAAG	GAGGAATCAT
Consensus	AGAAAAGAAT	GCTGAACTTC	AGATGACCCT	AAAAGTGAAG	GAGGAATCAT
>4304443inh	TAATAAAAG	GGCATCTCAA	TATAGTGGGC	AGCTTAAAGT	TCTGATAGCT
>2741038H1	TAATAAAAG	GGCATCTCAA	TATAGTGGGC	AGCTT	
Consensus	TAATAAAAG	GGCATCTCAA	TATAGTGGGC	AGCTTAAAGT	TCTGATAGCT
>4304443inh	GAGAACACAA	TGCTCACTTC	TAAATTGAAG	GAAAAACAAG	ACAAAGAAAT
Consensus	GAGAACACAA	TGCTCACTTC	TAAATTGAAG	GAAAAACAAG	ACAAAGAAAT
>4304443inh	ACTAGAGGCA	GAAATTGAAT	CACACCATCC	TAGACTGGCT	TCTGCTGTAC
Consensus	ACTAGAGGCA	GAAATTGAAT	CACACCATCC	TAGACTGGCT	TCTGCTGTAC
>4304443inh	AAGACCATGA	TCAAATTGTG	ACATCAAGAA	AAAGTCAAGA	ACCTGCTTTT
>4302934H1			TTCAAGAA	AAAGTCAAGA	ACCTGCTTTT
Consensus	AAGACCATGA	TCAAATTGTG	ACWTCAAGAA	AAAGTCAAGA	ACCTGCTTTT
>4304443inh	CACATTGCAG	GAGATGCTTG	TTTGCAAAGA	AAAATGAATG	TTGATGTGAG
>4302934H1	CACATTGCAG	GAGATGCTTG	TNTGCAAAGA	AAAATGAATG	TTGATGTGAG
Consensus	CACATTGCAG	GAGATGCTTG	TTTGCAAAGA	AAAATGAATG	TTGATGTGAG
>4304443inh	TAGTACGATA	TATAACAATG	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
>4302934H1	TAGTACGATA	TATAACAATG	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
Consensus	TAGTACGATA	TATAACAATG	AGGTGCTCCA	TCAACCACTT	TCTGAAGCTC
>4304443inh	AAAGGAAATC	CAAAAGCCTA	AAAATTAATC	TCAATTATGC	AGGAGATGCT
>4302934H1	AAAGGAAATC	CAAAAGCCTA	AAAATTAATC	TCAATTATGC	CGGAGATGCT
Consensus	AAAGGAAATC	CAAAAGCCTA	AAAATTAATC	TCAATTATGC	MGGAGATGCT
>4304443inh	CTAAGAGAAA	ATACATTGGT	TTCAGAACAT	GCACAAAGAG	ACCAACGTGA
>4302934H1	CTAAGAGAAA	ATACATTGGT	TTCAGAACAT	GCACAAAGAG	ACCAACGTGA
Consensus	CTAAGAGAAA	ATACATTGGT	TTCAGAACAT	GCACAAAGAG	ACCAACGTGA
>4304443inh	AACACAGTGT	CAAATGAAGG	AAGCTGAACA	CATGTATCAA	AACGAACAAG
>4302934H1	AACACAGTGT	CAAATGAAGG	AAGCTGAACA	CATGTATC	
Consensus	AACACAGTGT	CAAATGAAGG	AAGCTGAACA	CATGTATCAA	AACGAACAAG

Figure 1D

>4304443inh Consensus	ATAATGTGAA CAAACACACT GAACAGCAGG AGTCTCTAGA TCAGAAATTA ATAATGTGAA CAAACACACT GAACAGCAGG AGTCTCTAGA TCAGAAATTA
>4304443inh Consensus	TTTCAACTAC AAAGCAAAAA TATGTGGCTT CAACAGCAAT TAGTTCATGC TTTCAACTAC AAAGCAAAAA TATGTGGCTT CAACAGCAAT TAGTTCATGC
>4304443inh Consensus	ACATAAGAAA GCTGACAACA AAAGCAAGAT AACAATTGAT ATTCATTTTC ACATAAGAAA GCTGACAACA AAAGCAAGAT AACAATTGAT ATTCATTTTC
>4304443inh Consensus	TTGAGAGGAA AATGCAACAT CATCTCCTAA AAGAGAAAAA TGAGGAGATA TTGAGAGGAA AATGCAACAT CATCTCCTAA AAGAGAAAAA TGAGGAGATA
>4304443inh Consensus	TTTAATTACA ATAACCATTT AAAAAACCGT ATATATCAAT ATGAAAAAGA TTTAATTACA ATAACCATTT AAAAAACCGT ATATATCAAT ATGAAAAAGA
>4304443inh Consensus	GAAAGCAGAA ACAGAAAACT CATGAGAGAC AAGCAGTAAG AAACCTCTTT GAAAGCAGAA ACAGAAAACT CATGAGAGAC AAGCAGTAAG AAACCTCTTT
>4304443inh Consensus	TGGAGAAACA ACAGACCAGA TCTTTACTCA CAACTCATGC TAGGAGGCCA TGGAGAAACA ACAGACCAGA TCTTTACTCA CAACTCATGC TAGGAGGCCA
>4304443inh Consensus	GTCCTAGCAT CACCTTATGT TGAAAATCTT ACCAATAGTC TGTGTCAACA GTCCTAGCAT CACCTTATGT TGAAAATCTT ACCAATAGTC TGTGTCAACA
>4304443inh Consensus	GAATACTTAT TTTAGAAGAA AAATTCATGA TTTCTTCCTG AAGCCTACAG GAATACTTAT TTTAGAAGAA AAATTCATGA TTTCTTCCTG AAGCCTACAG
>4304443inh Consensus	ACATAAAATA ACAGTGTGAA GAATTACTTG TTCACGAATC TCGCTCTGCA ACATAAAATA ACAGTGTGAA GAATTACTTG TTCACGAATC TCGCTCTGCA
>4304443inh >158545H1 Consensus	CTCCAGCCTA GCGCCTAGT GAAACCCTGT GTCAAAAAGA AAAAAACAAA CCTA GCGCCTAGT GAAACCCTGT GTCAAAAAGA AAAAAACAAA CTCCAGCCTA GCGCCTAGT GAAACCCTGT GTCAAAAAGA AAAAAACAAA
>4304443inh >158545H1 Consensus	AACAACTTC CAAGACCTCG AGTGGTTTTT GGAGACCCTG TATCACTTCA ANCAAACTTC CAAGACCTCG AGTGGTTTTN GGAGACCCTG TATCACTTCA AACAACTTC CAAGACCTCG AGTGGTTTTT GGAGACCCTG TATCACTTCA
>4304443inh >158545H1 Consensus	AATAATGTGT TAAACAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA AATAATGTGT TAAACAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA AATAATGTGT TAAACAAGCA TCTTCATCTC ATTAAATAGA AATGTTGAAA
>4304443inh >158545H1 Consensus	AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTTCATCAA ATTTACAGTT AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTTCATCAA ATTTACAGTT AATTGCTTTT GGAATAATTG ACTTATGGAT ATTTTCATCAA ATTTACAGTT
>4304443inh >158545H1 Consensus	GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTTC TTCAAAAAGT GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTNN TTCATT GGCTATGCTT TCTTATTGTG CATACTATGA AATGTTTTTC TTCAWWAAGT

Figure 1E

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>4304443inh      GTTTATAAGT GGTAAGTTTA AGAATGGGGT TGACAGCATT ATCTTTTGTG
Consensus         GTTTATAAGT GGTAAGTTTA AGAATGGGGT TGACAGCATT ATCTTTTGTG

>4304443inh      GTTATTTGAT TAAACATTTA CTAATTGTGC ATA
Consensus         GTTATTTGAT TAAACATTTA CTAATTGTGC ATA
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1000
900
800
700
600
500
400
300
200
100
0

4304443inh
 4304443H1
 3040232H1
 3790941H1
 3424294H1
 2741038H1
 4302934H1
 158545H1

Figure 2

